

**Filament suggestions for ITER 3D printable model**

	<i>Manufacturer</i>	<i>Filament type</i>
Cryostat	Fillamentum	PLA Extrafill Metallic grey
Central solenoid	Fillamentum	PLA Extrafill Green grass
TF coils	Fillamentum	PLA Extrafill Sky blue
PF coils	Fillamentum	PLA Extrafill Traffic purple
Vacuum vessel	Fillamentum	PLA Extrafill Vertigo grey
Divertor	Fillamentum	PLA Extrafill Signal red

**Filament usage(g)**

Sectors				
	Type	Quantity	Amount per pi	Total amount
	1	6	84	504
	2	1	90	90
	3	1	92	92
	4	1	85	85
<b>Total</b>				<b>771</b>

TF coils				
	Type	Quantity	Amount per pi	Total amount
	a	9	52	468
	b	9	51	459
<b>Total</b>				<b>927</b>

PF coils				
	Type	Quantity	Amount per pi	Total amount
	1	1	35	35
	2	1	54	54
	3	1	75	75
	4	1	122	122
	5	1	74	74
	6	1	52	52
<b>Total</b>				<b>412</b>

Cryostat				
	Type	Quantity	Amount per pi	Total amount
	base	1	438	438
	lower	1	338	338
	upper	1	273	273
	top	1	475	475
<b>Total</b>				<b>1524</b>

Divertor				
	Type	Quantity	Amount per pi	Total amount
		18	7	126
<b>Total</b>				<b>126</b>

Central solenoid				
	Type	Quantity	Amount per pi	Total amount
		1	105	105
<b>Total</b>				<b>105</b>

Grand Total		
		<b>3865</b>